

### ABSTRACT OF THE DISCLOSURE

A digital measuring head in a measuring apparatus measures a work by making a contact element abut to the work. The digital measuring head comprises an arm supported rotatably around a support point arranged on a base; a finger having the contact element at a tip end and mounted to a tip end portion of the arm; and a scale and a read head, one of which is provided at a rear end portion of the arm and the other of which is arranged on the base. Displacement of the contact element which contacts with the work is measured with the scale and the read head. Thereby, the measuring head can perform measurement in a wide range and becomes excellent in the actuation property and the temperature property, and masters for calibration of an indicated dimension are only used at an initial adjustment time.